Earth System Science & Environmental Engineering Program (ESE) at the Grove School of Engineering

with

American Nuclear Society

Consent-Based Siting Consortium

Interim Storage for Spent Nuclear Fuel

Thursday, July 11 , 2024
Time: 12:00-12:55 pm
Location: Exhibit room, ST-124

Lecture: What about nuclear waste?

After spending 4 to 6 years in a nuclear power reactor, the fuel is considered "spent" or "used" and is removed from the reactor. Most of what people refer to as nuclear waste is this used fuel. To understand this fuel, and why it is considered waste, we must recognize the nuclear fuel cycle. This presentation will give you a quick tour of the nuclear fuel cycle and then answer the questions:

· What is radioactive waste?

· Where does radioactive waste come from?

· Can we manage radioactive waste safely?

Lecturer: Mary Lou Dunzik-Gougar, PhD

Professor of Nuclear Engineering and Associate Dean of the College of Science and Engineering at Idaho State University. She has a PhD in nuclear engineering and MS in environmental engineering from Penn State University and a BS in chemistry from Cedar Crest College. Her nuclear career spans ~25 years, during which she has performed research in various aspects of the nuclear fuel cycle, including waste form development, spent fuel pyroprocessing, spent TRISO particle fuel qualification for disposal, fuel and material development and characterization (pre- and post-irradiation), development of a waste minimization plan for a next generation nuclear reactor design, and fuel cycle modeling.

Zoom (alternative): https://rb.gy/9iia22

Pizza (in-person)